

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
 Data File : BG064487.D
 Acq On : 3 Oct 2025 14:54
 Operator : RC/JU
 Sample : PB169969BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB169969BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/06/2025

Supervised By :Jagrut Upadhyay 10/06/2025

Quant Time: Oct 03 15:40:12 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	16283	20.000	ng	# 0.00
21) Naphthalene-d8	10.610	136	71506	20.000	ng	0.00
39) Acenaphthene-d10	14.452	164	55447	20.000	ng	0.00
64) Phenanthrene-d10	17.190	188	137310	20.000	ng	0.00
76) Chrysene-d12	21.415	240	140131	20.000	ng	0.00
86) Perylene-d12	24.388	264	147450	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	137619	156.414	ng	0.01
7) Phenol-d6	7.002	99	178065	150.602	ng	0.02
23) Nitrobenzene-d5	8.976	82	119882	90.147	ng	0.01
42) 2,4,6-Tribromophenol	15.939	330	139048	138.349	ng	0.00
45) 2-Fluorobiphenyl	13.072	172	337900	89.827	ng	0.00
79) Terphenyl-d14	19.811	244	700514	94.606	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.318	88	12564	36.102	ng	93
3) Pyridine	3.706	79	35316	37.759	ng	91
4) n-Nitrosodimethylamine	3.624	42	34547	50.952	ng	99
6) Aniline	7.149	93	49448	33.155	ng	96
8) 2-Chlorophenol	7.390	128	56703	52.483	ng	98
9) Benzaldehyde	6.961	77	27557	26.256	ng	96
10) Phenol	7.026	94	64678	51.855	ng	98
11) bis(2-Chloroethyl)ether	7.249	93	40403	47.832	ng	98
12) 1,3-Dichlorobenzene	7.713	146	58677	49.648	ng	97
13) 1,4-Dichlorobenzene	7.860	146	60755	51.220	ng	96
14) 1,2-Dichlorobenzene	8.177	146	57789	49.433	ng	100
15) Benzyl Alcohol	8.066	79	57540	52.844	ng	87
16) 2,2'-oxybis(1-Chloropr...	8.348	45	65631	48.203	ng	93
17) 2-Methylphenol	8.271	107	47505	52.598	ng	95
18) Hexachloroethane	8.900	117	21711	46.371	ng	97
19) n-Nitroso-di-n-propyla...	8.624	70	39172	49.538	ng	# 94
20) 3+4-Methylphenols	8.594	107	65324	51.830	ng	95
22) Acetophenone	8.641	105	93150	53.802	ng	# 99
24) Nitrobenzene	9.017	77	62641	47.235	ng	97
25) Isophorone	9.540	82	109815	45.583	ng	# 97
26) 2-Nitrophenol	9.728	139	30938	46.874	ng	92
27) 2,4-Dimethylphenol	9.793	122	55404	54.959	ng	99
28) bis(2-Chloroethoxy)met...	10.022	93	58925	47.983	ng	99
29) 2,4-Dichlorophenol	10.263	162	59780	51.281	ng	96
30) 1,2,4-Trichlorobenzene	10.475	180	64559	50.791	ng	96
31) Naphthalene	10.663	128	178030	48.349	ng	98
32) Benzoic acid	9.957	122	44023m	56.879	ng	
33) 4-Chloroaniline	10.774	127	25145	17.796	ng	95
34) Hexachlorobutadiene	10.950	225	50862	46.724	ng	93
35) Caprolactam	11.544	113	19552m	48.992	ng	
36) 4-Chloro-3-methylphenol	11.902	107	70402	49.661	ng	99
37) 2-Methylnaphthalene	12.272	142	122387	43.300	ng	98
38) 1-Methylnaphthalene	12.490	142	129089	45.802	ng	99
40) 1,2,4,5-Tetrachloroben...	12.643	216	94306	52.677	ng	# 96
41) Hexachlorocyclopentadiene	12.625	237	126034	134.582	ng	92
43) 2,4,6-Trichlorophenol	12.883	196	56323	49.214	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.954	196	64367	50.378	ng	96
46) 1,1'-Biphenyl	13.283	154	210864	52.875	ng	98
47) 2-Chloronaphthalene	13.324	162	142725	47.935	ng	99
48) 2-Nitroaniline	13.530	65	50538	49.732	ng	96
49) Acenaphthylene	14.170	152	238315	53.918	ng	97
50) Dimethylphthalate	13.912	163	205536	47.330	ng	100
51) 2,6-Dinitrotoluene	14.029	165	46042	50.896	ng	84
52) Acenaphthene	14.517	154	141301	46.015	ng	98
53) 3-Nitroaniline	14.358	138	21871	26.215	ng	99
54) 2,4-Dinitrophenol	14.564	184	57564	87.756	ng	90
55) Dibenzofuran	14.852	168	240927	47.518	ng	99
56) 4-Nitrophenol	14.676	139	70403	107.183	ng	92
57) 2,4-Dinitrotoluene	14.817	165	68028	49.193	ng	96
58) Fluorene	15.498	166	202457	48.031	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.081	232	68535	52.559	ng	98
60) Diethylphthalate	15.275	149	220490	47.330	ng	97
61) 4-Chlorophenyl-phenyle...	15.492	204	107502	46.715	ng	96
62) 4-Nitroaniline	15.522	138	44849	51.578	ng	91
63) Azobenzene	15.786	77	174320	48.317	ng	99
65) 4,6-Dinitro-2-methylph...	15.580	198	48963	51.214	ng	95
66) n-Nitrosodiphenylamine	15.710	169	177265	48.344	ng	95
67) 4-Bromophenyl-phenylether	16.385	248	78436	48.543	ng	92
68) Hexachlorobenzene	16.503	284	89602	48.461	ng	98
69) Atrazine	16.656	200	85241	52.252	ng	98
70) Pentachlorophenol	16.844	266	111612	103.242	ng	97
71) Phenanthrene	17.231	178	351468	48.946	ng	97
72) Anthracene	17.325	178	359754	49.940	ng	98
73) Carbazole	17.590	167	318637	51.173	ng	99
74) Di-n-butylphthalate	18.160	149	390037	51.313	ng	99
75) Fluoranthene	19.241	202	429431	50.059	ng	99
77) Benzidine	19.423	184	101507	29.110	ng	99
78) Pyrene	19.605	202	444327	48.859	ng	98
80) Butylbenzylphthalate	20.498	149	164048	50.887	ng	97
81) Benzo(a)anthracene	21.397	228	446122	49.860	ng	98
82) 3,3'-Dichlorobenzidine	21.321	252	81030	26.757	ng	96
83) Chrysene	21.456	228	417007	49.144	ng	97
84) Bis(2-ethylhexyl)phtha...	21.321	149	228514	50.239	ng	96
85) Di-n-octyl phthalate	22.443	149	379547	49.649	ng	99
87) Indeno(1,2,3-cd)pyrene	27.737	276	532662	51.899	ng	100
88) Benzo(b)fluoranthene	23.453	252	432072	51.508	ng	99
89) Benzo(k)fluoranthene	23.518	252	441593	52.269	ng	99
90) Benzo(a)pyrene	24.253	252	416998	53.938	ng	98
91) Dibenzo(a,h)anthracene	27.801	278	430720	52.477	ng	99
92) Benzo(g,h,i)perylene	28.788	276	424104	53.171	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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